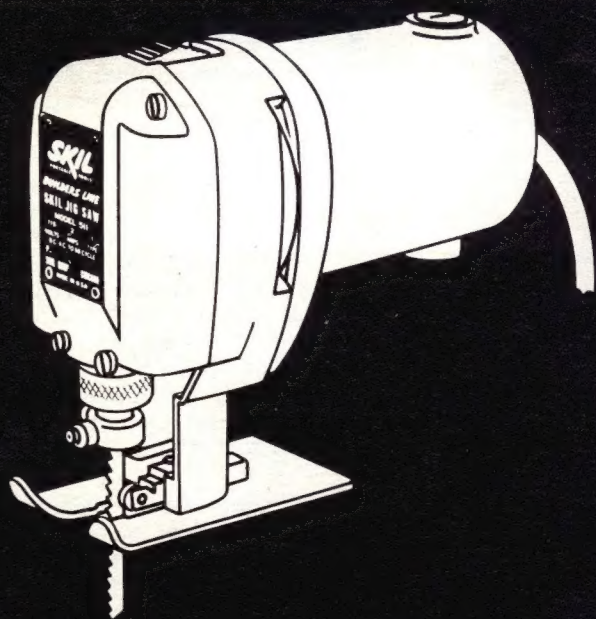


*Getting the Most
from your*

SKIL JIG SAW



SKIL Corporation • 5033 Elston Ave., Chicago 30, Ill.

INTRODUCTION

Your Jig Saw has been carefully inspected and checked at the factory and is ready for immediate use. To get maximum efficiency and long life, carefully read the following instructions.

ELECTRICAL DATA

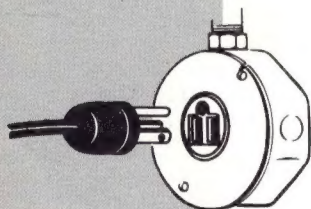


FIG. 1

power supply

Your Jig Saw has a powerful universal motor that operates on alternating current up to 60 cycles or on direct current. Make sure outlet has same voltage as shown on saw nameplate; voltage variation exceeding 10% of rating can cause serious damage to motor.

grounding

For protection against shock, your saw has three wire cord and three prong plug required by the National Electrical Code. Third or ground wire (usually green) is connected to tool housing at one end and to the three prong plug at the other. See Figure 1. The long prong is the ground connection and if your outlet takes this plug, tool is grounded automatically when plugged in. If you do not have this type outlet, use adapter supplied. Be sure to connect green lead from adapter. Figure 2 illustrates grounding procedure. If outlet box is not grounded, attach wire to grounded water pipe, metal building structure or metal rod driven deep into earth.

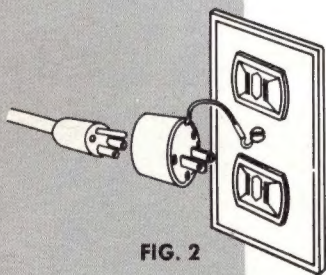


FIG. 2

**Always Ground Saw Before Connecting Plug
—Especially When Working in Damp Locations
or on Wet Materials. Caution:**

1. If saw is taken apart or new cord attached, reconnect ground wire to frame—not switch.
2. Whenever possible use 3 conductor extension cords and three prong connectors to insure automatic ground connections.
3. If water pipe is used as ground and water meter is insulated, attach jumper wire to pipe on each side of meter.

MAINTENANCE

brushes and commutator

Inspect regularly—at least monthly. Remove the two orange brush holder caps on top and bottom of motor housing, lifting brushes and spring out. Replace brushes with genuine SKIL repair parts if burned, chipped, worn shorter than $\frac{1}{4}$ ", or if brush springs are damaged, twisted, or have lost tension. Clean brush holder openings with compressed air or soft cloth.

cord

Wipe occasionally to prevent deterioration from oil and grease. Never carry or drag saw by cord—electrical connections may break and cause a "short." If cord must be laid where wheelbarrows or trucks cross, protect with parallel planks. Keep cord coiled and out of way when saw is not in use.

cleaning

If dust collects in ventilating slots or motor housing, blow out with compressed air while saw is running. Keep housing free of dirt and grease so dust will not collect.

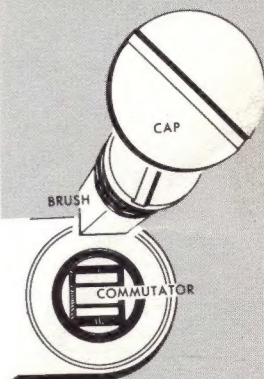


FIG. 4

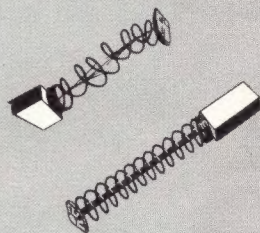


FIG. 5

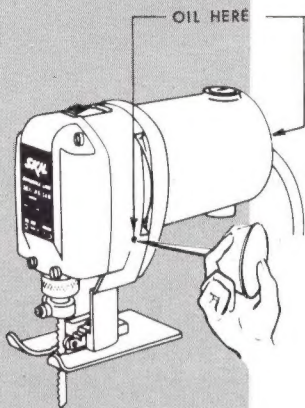


FIG. 6

lubrication

Your saw has been lubricated at the factory and is ready for immediate use. However, periodic lubrication of saw is essential for long service. Points to lubricate:

bearings

Lubricate bearings once or twice a month, depending upon use. Place a few drips of light machine oil on bearings through small holes at rear of motor housing and on left side. See Fig. 6.

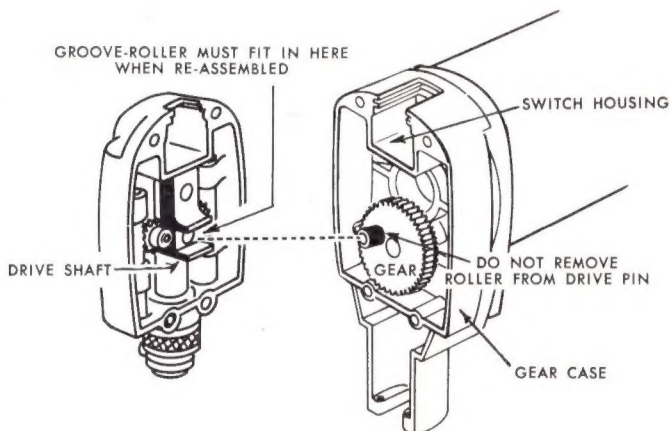


FIG. 8

FIG. 7

gear case

Sealed, and under normal conditions should not require lubrication for several months. However, check gear case monthly if saw is given steady, heavy use. To lubricate, open gear case, remove old grease from gear case and front housing. Flush out with kerosene—*never gasoline*—before repacking. Fill front housing level full with fresh lubricant insuring that no grease is placed in switch housing. Place small amount of lubricant around gears in gear case. Use only SKIL Type C Lubricant No. 6153 which is made specially for SKIL Jig Saws.

Open Gear Case as Follows:

1. Remove motor brushes and springs.
2. Remove the four screws that hold the front housing to the motor housing.
3. Pull front housing from rear housing and inspect gear case. Do not remove roller from drive pin. See Figure 7.

IMPORTANT: When reassembling, be sure that the roller on gear in gear case (see Figure 7) fits into groove on drive shaft in front housing (See Figure 8). Failure to do this will result in immediate damage to the mechanism.

shaft

To prolong the life of your tool, several drops of oil should be placed on the saw's shaft before each extended use.

blade roller-follower

Roller-follower on foot assembly is properly set at the factory and should not require further adjustment. If roller does not roll easily when saw is not in operation, it may be adjusted by loosening the two center screws on the foot. Blade should always be in down position when setting the roller.

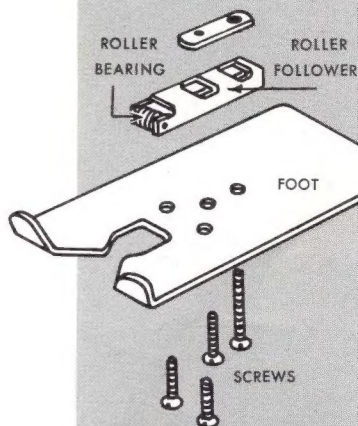


FIG. 8

HOW TO USE

Changing Blades — Always disconnect plug before changing or in setting blades. Loosen both set screws in the blade chuck using allen wrench furnished with saw and insert the blade until it "bottoms" in the chuck. Tighten the side set screw until it is firm. *Do not tighten excessively.* Now turn front set screw until it is firm and the blade is ready for use.

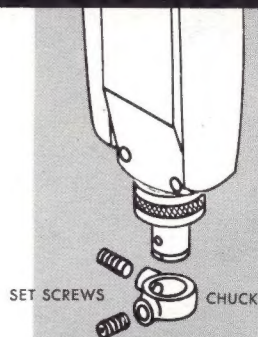


FIG. 9

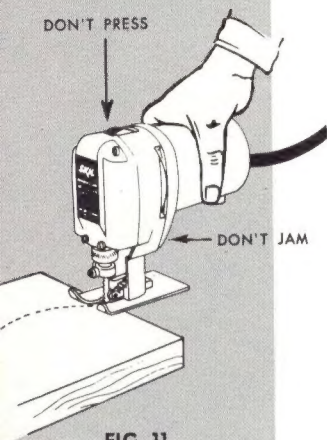


FIG. 11

Making a Cut—Before plugging in cord, ground saw as described on page 1. To make a cut, rest the foot on work and line up blade with line of cut. Be sure switch is “off” and teeth of blade do not touch work. Start motor and guide saw into work. Use steady pressure—no force is necessary. Forcing slows cutting because it reduces blade speed. Always place work so that its finished or exposed side is on the bottom. Since this saw cuts from bottom of work, blade may splinter top surface.

Do not abuse saw by overloading it while cutting. Repeated overloading can cause expensive damage to any portable saw. Signs of overloading: motor slowing down; stalling; “growling”; and overheating. Causes of overloading: pushing saw too hard; dull or insufficiently set blade; wrong type of blade for work; and low voltage.

Prolong life of switch by not starting or stopping saw under load. Using switch while cutting causes excessive arcing that burns switch contacts. Start motor before applying saw to work; stop cutting before turning off switch.

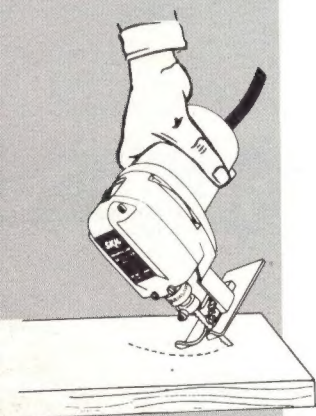


FIG. 12

Making Pocket Cuts—Pocket cuts can be made easily and safely with your SKIL Jig Saw. To cut a pocket, first draw an outline of the opening you are to cut. Then tilt saw forward on the base as shown in Figure 12. With saw running, gently lower saw down into work. Blade will cut into wood until saw is in upright position and the cut can be made in the normal way. When cutting right angle corners, cut up to corner point, turn off switch, back up saw slightly, turn on switch and cut around corner. Now cut up to corner point from other direction and a clean right angle will be the result.

safety precaution

Because of danger of kickback no portable saw should be pulled backward in cut. Be sure saw is shut off before pulling back in cut.

blades

With the proper blade, the SKIL Jig Saw is capable of cutting metal, plastic, formica and other counter top material, wall board, leather and paper, composition materials and wood of all types.

The blade furnished on your saw is the finest blade available. It is a 10-tooth, hollow ground blade which will give smooth fast cuts in hard or soft wood. This blade is available as an accessory item and other blades are available at your local SKIL dealer.

SKIL 10-tooth blade, Hollow-ground for smooth, fast cutting of wood. No. 18749

GUARANTEE

All SKIL equipment is thoroughly inspected and tested before it leaves our factory and is guaranteed to be free from defects in materials or workmanship. Should a SKIL product fail to give satisfactory service, return the complete tool to our factory or nearest factory branch with transportation charges prepaid. We will replace free of charge any part found by us to be defective due to faulty material or workmanship, provided repairs have not been made or attempted by others.

the skil guarantee

SKIL EQUIPMENT IS THOROUGHLY INSPECTED AND TESTED BEFORE IT LEAVES OUR FACTORY AND IS GUARANTEED TO BE FREE FROM DEFECTS IN MATERIALS OR WORKMANSHIP. SHOULD A SKIL PRODUCT FAIL TO GIVE SATISFACTORY SERVICE, RETURN THE COMPLETE TOOL TO OUR FACTORY OR NEAREST FACTORY BRANCH WITH TRANSPORTATION CHARGES PREPAID. WE WILL REPLACE FREE OF CHARGE ANY PART FOUND BY US TO BE DEFECTIVE DUE TO FAULTY MATERIAL OR WORKMANSHIP, PROVIDED REPAIRS HAVE NOT BEEN MADE OR ATTEMPTED BY OTHERS.



SERVICE IN ALL PRINCIPAL CITIES

Fast and efficient service for any SKIL Tool is available at factory or any factory branch service station. It is our policy to provide prompt and dependable service throughout the life of every SKIL Tool manufactured and sold by us.

When ordering parts, be sure to include model number and type as shown on name-plate.

FACTORY BRANCHES

Atlanta 3, Ga.....	1116 W. Peachtree St., N.W.
Baltimore 18, Md.....	2323 Greenmount Ave.
Birmingham 4, Ala.....	806 N. Fifth Ave.
Boston (Allston) 34, Mass.....	442 Cambridge St.
Buffalo 11, N.Y.....	570 E. Delavan Ave.
Charlotte 3, N. C.....	1815 S. Tryon St.
Chicago 12, Ill.....	1655 W. Jackson Blvd.
Chicago 30, Ill (Factory).....	5033 Elston Ave.
Cincinnati 2, Ohio.....	1132 Gilbert St.
Cleveland 14, Ohio.....	3038 Payne Ave.
Dallas 26, Texas.....	4014 Elm St.
Denver 16, Colo.....	4462 York St.
Des Moines 16, Iowa.....	3629 E. 14th St.
Detroit 21, Mich.....	17160 Wyoming Ave.
Houston 3, Texas.....	3606 Navigation Blvd.
Indianapolis 2, Ind.....	1620 E. Riverside Dr.
Kansas City 8, Mo.....	2007 Broadway
Los Angeles 7, Calif.....	2730 S. Broadway
Memphis 4, Tenn.....	2031 Madison Ave.
Miami 37, Fla.....	4220 N.W. Second Ave.
Milwaukee 13, Wisc.....	9209 W. Bluemound Rd.
Minneapolis 6, Minn.....	4023 E. Lake St.
Newark (Hillside) 5, N. J..	611 U.S. Highway No. 22
New Orleans 15, La.....	3501 Tchoupitoulas St.
New York 51, N.Y.....	2810 Park Ave.
Oklahoma City 4, Okla.....	1535 W. Reno St.
Philadelphia 38, Pa.....	2135 Chew Ave.
Pittsburgh (Monroeville) Pa.,	4127 William Penn Hwy.
Portland 13, Oregon.....	5616 N.E. Glisan St.
St. Louis 3, Mo.....	3501 Market St.
San Francisco 3, Calif.....	285 S. Van Ness Ave.
Seattle 9, Wash.....	818 John St.
Spokane 21, Wash.....	E. 2226 Riverside
Montreal 15, Quebec, Can.....	480 Ogilvy Ave.
Toronto 9, Ontario, Can.....	3601 Dundas St., W.
Vancouver 6, B. C., Can.....	1606 E. Hastings
Mexico 6, D. F., Mexico....	Abraham Gonzales No. 94